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(54) Led short circuit protection

(57) According to an example embodiment of the present disclosure, a method is provided for controlling a light-emitting-diode (LED) circuit. The method includes receiving a direct current to direct current (DC-to-DC) control signal at a DC-to-DC converter. A DC voltage is generated from an input DC voltage source. The DC voltage has a voltage level that is set according to the DC-to-DC control signal. The DC voltage is provided to an LED circuit output. The DC voltage level from the DC-to-DC converter is determined. The DC-to-DC converter control signal is generated in response to the determined DC voltage level. The LED circuit is determined to have a short circuit based upon the determined DC voltage. In response to determining that the LED circuit has a short circuit, the DC-to-DC converter is disabled from providing the DC voltage to the output for powering an LED circuit.

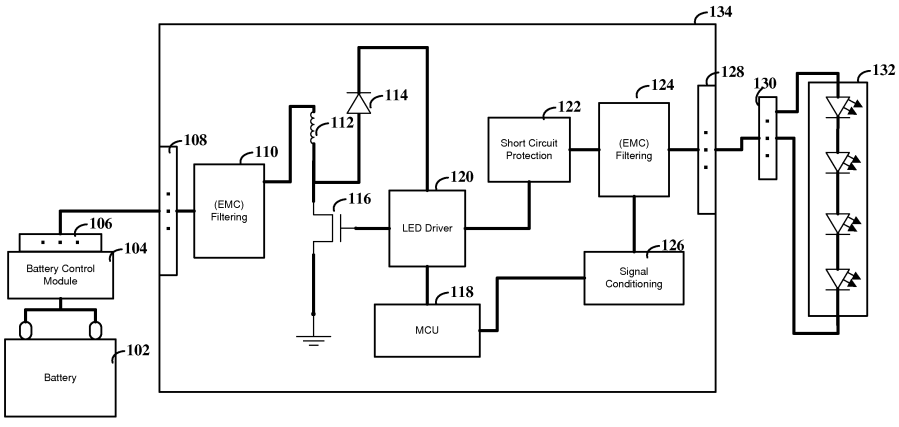

FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 12 17 5068

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS

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